

| | | |
|-----------|----------------|-----------------|
| EEEEEEEEE | DDDDDDDDDDDDDD | TTTTTTTTTTTTTTT |
| EEEEEEEEE | DDDDDDDDDDDDDD | TTTTTTTTTTTTTTT |
| EEEEEEEEE | DDDDDDDDDDDDDD | TTTTTTTTTTTTTTT |
| EEE | DDD | TTT |
| EEEEEEEEE | DDD | TTT |
| EEEEEEEEE | DDD | TTT |
| EEEEEEEEE | DDD | TTT |
| EEE | DDD | TTT |
| EEEEEEEEE | DDDDDDDDDDDDDD | TTTTTTTTTTTTTTT |
| EEEEEEEEE | DDDDDDDDDDDDDD | TTTTTTTTTTTTTTT |
| EEEEEEEEE | DDDDDDDDDDDDDD | TTTTTTTTTTTTTTT |

****FILE** ID**SCRNEWDEL**

L 4

EDTS
V04-

```
1 0001 0 XTITLE 'EDT$SCRNEWDEL - delete a line from the screen'      : 1
2 0002 0 MODULE EDT$SCRNEWDEL (                                         : 1
3   0003 0   IDENT = 'V04-000'                                         ! delete a line from the screen : 1
4   0004 0 ) =                                                 ! File: SCRNEWDEL.BLI Edit: JBS1007 : 1
5 0005 1 BEGIN                                                 : 1
6 0006 1
7 0007 1 *****                                                 : 1
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY : 1
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26 0026 1 *
27 0027 1 *
28 0028 1 *****                                                 : 1
29 0029 1 .
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY: EDT -- The DEC Standard Editor : 1
33 0033 1
34 0034 1 ABSTRACT: : 1
35 0035 1
36 0036 1 This module updates the screen information data structure to : 1
37 0037 1 reflect the deletion of a line. : 1
38 0038 1
39 0039 1 ENVIRONMENT: Runs at any access mode - AST reentrant : 1
40 0040 1
41 0041 1 AUTHOR: Sharon M. Burlingame, CREATION DATE: September 15, 1982 : 1
42 0042 1
43 0043 1 MODIFIED BY: : 1
44 0044 1
45 0045 1 1-001 - Original. SMB 15-Sep-1982. : 1
46 0046 1 1-002 - Fix up the original to conform to new design. SMB 10-Oct-1982 : 1
47 0047 1 1-003 - Add more code to remove existing bugs. SMB 26-Oct-1982 : 1
48 0048 1 1-004 - Change updating of the screen pointers. JBS 29-Oct-1982 : 1
49 0049 1 1-005 - Don't set the rebuild flag. JBS 03-Jan-1983 : 1
50 0050 1 1-006 - Also invalidate EDTSSA_CSR_SCRPTR if it is deleted. JBS 20-May-1983 : 1
51 0051 1 1-007 - Improve the appearance of the listing. JBS 17-Jun-1983 : 1
52 0052 1 --
53 0053 1
```

```
55      0054 1 %SBTTL 'Declarations'  
56      0055 1 !  
57      0056 1 TABLE OF CONTENTS:  
58      0057 1 !  
59      0058 1 !  
60      0059 1 REQUIRE 'EDTSRC:TRAROUNAM';  
61      0498 1 !  
62      0499 1 FORWARD ROUTINE  
63      0500 1     EDT$$SC_LNDEL : NOVALUE;  
64      0501 1 !  
65      0502 1 !  
66      0503 1 INCLUDE FILES:  
67      0504 1 !  
68      0505 1 !  
69      0506 1 REQUIRE 'EDTSRC:EDTREQ';  
70      0641 1 !  
71      0642 1 !  
72      0643 1 MACROS:  
73      0644 1 !  
74      0645 1     NONE  
75      0646 1 !  
76      0647 1 EQUATED SYMBOLS:  
77      0648 1 !  
78      0649 1     NONE  
79      0650 1 !  
80      0651 1 OWN STORAGE:  
81      0652 1 !  
82      0653 1     NONE  
83      0654 1 !  
84      0655 1 EXTERNAL REFERENCES:  
85      0656 1 !  
86      0657 1 !     In the routine
```

```
: 88      0658 1 %SBTTL 'EDT$SSC_LNDEL - delete a line from the screen'
: 89      0659 1
: 90      0660 1 GLOBAL ROUTINE EDT$SSC_LNDEL (
: 91          0661 1     SCRPTR                                ! Delete a line from the screen
: 92          0662 1     ) : NOVALUE =                            ! Screen pointer to delete
: 93
: 94          0663 1
: 95          0664 1     +++
: 96          0665 1     FUNCTIONAL DESCRIPTION:
: 97          0666 1
: 98          0667 1     Update the screen line information structure by
: 99          0668 1     releasing the memory to the pool of available storage.
: 100         0669 1     Update various screen line pointers as necessary.
: 101         0670 1
: 102         0671 1     FORMAL PARAMETERS:
: 103         0672 1
: 104         0673 1     NONE
: 105         0674 1
: 106         0675 1     IMPLICIT INPUTS:
: 107         0676 1
: 108         0677 1     EDT$SG_MEM_CNT
: 109         0678 1     EDT$SA_BOT_SCRPTR
: 110         0679 1     EDT$SA_EOB_SCRPTR
: 111         0680 1     EDT$SA_TOP_SCRPTR
: 112         0681 1     EDT$SA_FST_AVLN
: 113         0682 1     EDT$SA_FST_SCRPTR
: 114         0683 1     EDT$SA_LST_SCRPTR
: 115         0684 1     EDT$SA_CSR_SCRPTR
: 116         0685 1     EDT$SL_CUR_SCRLN
: 117         0686 1
: 118         0687 1     IMPLICIT OUTPUTS:
: 119         0688 1
: 120         0689 1     EDT$SG_MEM_CNT
: 121         0690 1     EDT$SA_BOT_SCRPTR
: 122         0691 1     EDT$SA_EOB_SCRPTR
: 123         0692 1     EDT$SA_TOP_SCRPTR
: 124         0693 1     EDT$SA_FST_AVLN
: 125         0694 1     EDT$SA_FST_SCRPTR
: 126         0695 1     EDT$SA_LST_SCRPTR
: 127         0696 1     EDT$SA_CSR_SCRPTR
: 128         0697 1     EDT$SL_CUR_SCRLN
: 129         0698 1
: 130         0699 1     ROUTINE VALUE:
: 131         0700 1
: 132         0701 1     NONE
: 133         0702 1
: 134         0703 1     SIDE EFFECTS:
: 135         0704 1
: 136         0705 1     NONE
: 137         0706 1
: 138         0707 1     --
: 139         0708 1
: 140         0709 2     BEGIN
: 141         0710 2
: 142         0711 2     EXTERNAL
: 143         0712 2     EDT$SG_MEM_CNT,                                ! Allocated memory count
: 144         0713 2     EDT$SA_BOT_SCRPTR : REF SCREEN_LINE,    ! Bottom screen pointer
:                      0714 2     EDT$SA_EOB_SCRPTR : REF SCREEN_LINE,    ! EOB screen pointer
```

145 0715 2 EDT\$SA_TOP_SCRPTR : REF SCREEN_LINE, ! Top screen pointer
146 0716 2 EDT\$SA_CSR_SCRPTR : REF SCREEN_LINE, ! Current screen pointer
147 0717 2 EDT\$SA_FST_AVLN : REF SCREEN_LINE, ! First available screen info memory
148 0718 2 EDT\$SA_FST_SCRPTR : REF SCREEN_LINE, ! Pointer to first screen line info
149 0719 2 EDT\$SA_LST_SCRPTR : REF SCREEN_LINE; ! Pointer to last screen line info
150 0720 2
151 0721 2 MAP SCRPTR : REF SCREEN_LINE; ! Screen pointer parameter
152 0722 2
153 0723 2 LOCAL
154 0724 2 NXT_ADDR : REF SCREEN_LINE, ! Address of next line info
155 0725 2 PREV_ADDR : REF SCREEN_LINE; ! Address of previous line info
156 0726 2
157 0727 2
158 0728 2 !+
159 0729 2 !- Find the next and previous pointers of the line being deleted.
160 0730 2 !+
161 0731 2 NXT_ADDR = .SCRPTR [SCR_NXT_LINE];
162 0732 2 PREV_ADDR = .SCRPTR [SCR_PRV_LINE];
163 0733 2 !+
164 0734 2 !- Check for deleting the first line of the screen data base.
165 0735 2 !+
166 0736 2
167 0737 3 IF (.EDT\$SA_FST_SCRPTR EQA .SCRPTR)
168 0738 2 THEN
169 0739 3 BEGIN
170 0740 3 EDT\$SA_FST_SCRPTR = .NXT_ADDR;
171 0741 3 EDT\$SA_FST_SCRPTR [SCR_PRV_LINE] = 0;
172 0742 2 END;
173 0743 2
174 0744 2 !+
175 0745 2 !- Check for deleting the last line of the screen data base.
176 0746 2 !+
177 0747 2
178 0748 3 IF (.SCRPTR EQA .EDT\$SA_LST_SCRPTR)
179 0749 2 THEN
180 0750 3 BEGIN
181 0751 3 EDT\$SA_LST_SCRPTR = .PREV_ADDR;
182 0752 3 EDT\$SA_LST_SCRPTR [SCR_NXT_LINE] = 0;
183 0753 2 END;
184 0754 2
185 0755 2 !+
186 0756 2 !- Check for EOB deleted off the screen
187 0757 2 !+
188 0758 2
189 0759 2 IF (.EDT\$SA_EOB_SCRPTR EQA .SCRPTR) THEN EDT\$SA_EOB_SCRPTR = 0;
190 0760 2
191 0761 2 !+
192 0762 2 !- Check for deleting the top line from the data base.
193 0763 2 !+
194 0764 2
195 0765 2 IF (.EDT\$SA_TOP_SCRPTR EQA .SCRPTR) THEN EDT\$SA_TOP_SCRPTR = 0;
196 0766 2
197 0767 2 !+
198 0768 2 !- Check for deleting the bottom line from the data base.
199 0769 2 !+
200 0770 2
201 0771 2 IF (.EDT\$SA_BOT_SCRPTR EQA .SCRPTR) THEN EDT\$SA_BOT_SCRPTR = 0;

```
202      0772 2
203      0773 2  !+
204      0774 2  | Check for deleting the current line from the data base. This will likely
205      0775 2  | cause the screen data base to get rebuilt.
206      0776 2  |
207      0777 2
208      0778 2  IF (.EDTSSA_CSR_SCRPTR EQA .SCRPTR) THEN EDTSSA_CSR_SCRPTR = 0;
209      0779 2
210      0780 2  !+
211      0781 2  | Fix up the previous and next pointers.
212      0782 2  |
213      0783 2
214      0784 2  IF (.PREV_ADDR NEQA 0) THEN PREV_ADDR [SCR_NXT_LINE] = .NXT_ADDR;
215      0785 2
216      0786 2  IF (.NXT_ADDR NEQA 0) THEN NXT_ADDR [SCR_PRV_LINE] = .PREV_ADDR;
217      0787 2
218      0788 2  !+
219      0789 2  | The line being deleted is indicated by SCRptr. If there
220      0790 2  | are no screen line buffers in the free list, then start
221      0791 2  | a new list; otherwise add the memory to the front of the current list.
222      0792 2  |
223      0793 2  SCRptr [SCR_NXT_LINE] = .EDTSSA_FST_AVLN;
224      0794 2  SCRptr [SCR_PRV_LINE] = -1;           ! For debugging
225      0795 2  EDTSSA_FST_AVLN = .SCRptr;
226      0796 2  EDTSSG_MEM_CNT = .EDTSSG_MEM_CNT - 1;
227      0797 2  !+
228      0798 2  | Make sure the counter agrees with the data base.
229      0799 2  |
230      0800 2
231      0801 2  IF 0
232      0802 2  THEN
233      0803 3  BEGIN
234      0804 3
235      0805 3  LOCAL
236      0806 3    COUNT,
237      0807 3    SCRptr1 : REF SCREEN_LINE;
238      0808 3    SCRptr2 : REF SCREEN_LINE;
239      0809 3
240      0810 3    COUNT = 0;
241      0811 3    SCRptr1 = .EDTSSA_FST_SCRPTR;
242      0812 3    ASSERT (.SCRptr1 [SCR_PRV_LINE] EQ 0);
243      0813 3
244      0814 3    WHILE (.SCRptr1 NEQA 0) DO
245      0815 4    BEGIN
246      0816 4    COUNT = .COUNT + 1;
247      0817 4    SCRptr2 = .SCRptr1;
248      0818 4    SCRptr1 = .SCRptr1 [SCR_NXT_LINE];
249      0819 4
250      0820 5    IF (.SCRptr1 NEQA 0)
251      0821 4    THEN
252      0822 5    BEGIN
253      0823 5    ASSERT (.SCRptr1 [SCR_PRV_LINE] EQA .SCRptr2);
254      0824 5    ASSERT (.SCRptr1 NEQA .EDTSSA_FST_SCRPTR);
255      0825 4    END;
256      0826 4
257      0827 3    END;
258      0828 3
```

```
:
: 259      0829 3      ASSERT (.SCRPTR2 EQLA .EDTSSA_LST SCR PTR);
: 260      0830 3      ASSERT (.COUNT EQL .EDTSSG_MEM_CNT);
: 261      0831 2      END;
: 262      0832 2
: 263      0833 1      END:
```

! of routine EDT\$SSC_LNDEL

.TITLE EDT\$SCRNEWDEL EDT\$SCRNEWDEL - delete a line fro
m the screen

.IDENT \V04-000\

.EXTRN EDTSSG_MEM_CNT, EDTSSA_BOT_SCR PTR
.EXTRN EDTSSA_EOB_SCR PTR
.EXTRN EDTSSA_TOP_SCR PTR
.EXTRN EDTSSA_CSR_SCR PTR
.EXTRN EDTSSA_FST_AVLN
.EXTRN EDTSSA_FST_SCR PTR
.EXTRN EDTSSA_LST_SCR PTR
.EXTRN EDTSSINTER_ERR

.PSECT _EDT\$CODE,NOWRT, SHR, PIC.2

07FC 00000

| | | | | | | |
|--------------|----|-------------|-------|-------------------------------|------------------------|------|
| 5A 00000000G | 00 | 9E 00002 | MOVAB | EDTSSA_FST_AVLN, R10 | 0660 | |
| 59 00000000G | 00 | 9E 00009 | MOVAB | EDTSSA_CSR_SCR PTR, R9 | | |
| 58 00000000G | 00 | 9E 00010 | MOVAB | EDTSSA_BOT_SCR PTR, R8 | | |
| 57 00000000G | 00 | 9E 00017 | MOVAB | EDTSSA_TOP_SCR PTR, R7 | | |
| 56 00000000G | 00 | 9E 0001E | MOVAB | EDTSSA_EOB_SCR PTR, R6 | | |
| 55 00000000G | 00 | 9E 00025 | MOVAB | EDTSSA_FST_SCR PTR, R5 | | |
| 54 00000000G | 00 | 9E 0002C | MOVAB | EDTSSA_LST_SCR PTR, R4 | | |
| 51 04 | AC | D0 00033 | MOVL | SCR PTR, R1 | 0731 | |
| 52 | 61 | 7D 00037 | MOVO | (R1), PREV_ADDR | 0732 | |
| 51 | 65 | D1 0003A | CMPL | EDTSSA_FST_SCR PTR, R1 | 0737 | |
| | 08 | 12 0003D | BNEQ | 1\$ | | |
| 65 | 53 | D0 0003F | MOVL | NXT ADDR, EDTSSA_FST_SCR PTR | 0740 | |
| 50 | 65 | D0 00042 | MOVL | EDTSSA_FST_SCR PTR, R0 | 0741 | |
| | 60 | D4 00045 | CLRL | (R0) | | |
| 64 | 51 | D1 00047 | 1\$: | CMPL | R1, EDTSSA_LST_SCR PTR | 0748 |
| | 09 | 12 0004A | BNEQ | 2\$ | | |
| 64 | 52 | D0 0004C | MOVL | PREV_ADDR, EDTSSA_LST_SCR PTR | 0751 | |
| 50 | 64 | D0 0004F | MOVL | EDTSSA_LST_SCR PTR, R0 | 0752 | |
| | 40 | A0 D0 00052 | CLRL | 4(R0) | | |
| 51 | 66 | D1 00055 | 2\$: | CMPL | EDTSSA_EOB_SCR PTR, R1 | 0759 |
| | 02 | 12 00058 | BNEQ | 3\$ | | |
| 51 | 66 | D4 0005A | CLRL | EDTSSA_EOB_SCR PTR | | |
| | 67 | D1 0005C | 3\$: | CMPL | EDTSSA_TOP_SCR PTR, R1 | 0765 |
| | 02 | 12 0005F | BNEQ | 4\$ | | |
| 51 | 67 | D4 00061 | CLRL | EDTSSA_TOP_SCR PTR | | |
| | 68 | D1 00063 | 4\$: | CMPL | EDTSSA_BOT_SCR PTR, R1 | 0771 |
| | 02 | 12 00066 | BNEQ | 5\$ | | |
| 51 | 68 | D4 00068 | CLRL | EDTSSA_BOT_SCR PTR | | |
| | 69 | D1 0006A | 5\$: | CMPL | EDTSSA_CSR_SCR PTR, R1 | 0778 |
| | 02 | 12 0006D | BNEQ | 6\$ | | |
| 51 | 69 | D4 0006F | CLRL | EDTSSA_CSR_SCR PTR | | |
| | 52 | D5 00071 | 6\$: | TSTL | PREV_ADDR | |
| | 04 | 13 00073 | BEQL | 7\$ | 0784 | |

EDT\$SCRNEWDEL EDT\$SCRNEWDEL - delete a line from the screen 16-Sep-1984 01:37:42 VAX-11 Bliss-32 V4.0-742
VO4-000 EDT\$\$SC_LNDEL - delete a line from the screen 14-Sep-1984 12:24:34 [EDT.SRC]SCRNEWDEL.BLI;1

Page 7
(3)

EDT
VO4

| | | | |
|-------|-----------------------|-------|------------------------|
| 04 A2 | 53 D0 00075 | MOVL | NXT_ADDR, 4(PREV_ADDR) |
| | 53 D2 00079 78: | TSTL | NXT_ADDR |
| | 03 13 0007B | BEQL | 8S |
| 04 63 | 52 D0 0007D | MOVL | PREV_ADDR, (NXT_ADDR) |
| 04 A1 | 6A D0 00080 88: | MOVL | EDTSSA_FST_AVLN, 4(R1) |
| 61 | 01 CE 00084 | MNEGL | #1, (RT) |
| 6A | 51 D0 00087 | MOVL | R1, EDTSSA_FST_AVLN |
| | 00000000G 00 D7 0008A | DECL | EDTSSG_MEM_CNT |
| | 04 00090 | RET | |

: 0786
: 0793
: 0794
: 0795
: 0796
: 0833

: Routine Size: 145 bytes, Routine Base: _EDT\$CODE + 0000

: 264 0834 1
: 265 0835 1 !<BLF/PAGE>

G 5
EDT\$SCRNEWDEL 16-Sep-1984 01:37:42 VAX-11 Bliss-32 V4.0-742 Page 8
VO4-000 EDT\$SCRNEWDEL - delete a line from the screen 14-Sep-1984 12:24:34 [EDT.SRC]SCRNEWDEL.BLI;1 (4)
EDT
VO4
: 267 0836 1 END
: 268 0837 1
: 269 0838 0 ELUDOM

PSECT SUMMARY

| Name | Bytes | Attributes |
|------------|-------|---|
| _EDT\$CODE | 145 | NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2) |

Library Statistics

| File | Total | Symbols | Pages Mapped | Processing Time |
|------------------------------------|-------|---------|--------------|-----------------|
| \$255\$DUA28:[EDT.SRC]EDT.L32;1 | 377 | 12 | 3 | 00:00.2 |
| \$255\$DUA28:[EDT.SRC]PSECTS.L32;1 | 2 | 1 | 0 | 00:00.1 |

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:SCRNEWDEL/OBJ=OBJ\$:SCRNEWDEL MSRC\$:SCRNEWDEL.BLI/UPDATE=(ENH\$:\$CRNEWDEL)

: Size: 145 code + 0 data bytes
: Run Time: 00:14.8
: Elapsed Time: 00:19.6
: Lines/CPU Min: 3390
: Lexemes/CPU-Min: 12133
: Memory Used: 98 pages
: Compilation Complete

0139 AH-BT13A-SE
VAX/VMS V4.0

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